

## **ABSTRACT**

A flat board type brushless DC motor is invented comprising a stator core having a laminated flat core structure of a ring type which is slotted a constant distance slot for installing the teeth core and winding the exciting coil on the inner or outer circumference of a stator core circle. The teeth core has a constant thickness with a certain number of teeth. The rotor faced against the stator is consisted of the rotor shaft, the circular flat rotor frame fixed on the motor shaft and assembled with even number of the N-and S- permanent magnets on the circle flat rotor of the flat type brushless and synchronous motor.